(30) (29) (28) (27) (26) (25) (24) (23) (22) (21) (20) (19) (18) (17) (16) (15) (14) (13) (12) (11) (10) (9) (8) (7) (4) (3) (2) (1)

0.1uF x 86

220 uF 16V (E)

(25) COIN COUNTER2
(24) SYNC
(23) BLUE
(22) RED
(21) GREEN
(20) RESET
(19) COIN COUNTER1
(18) WRB
(17) RDB
(16) DB7
(15) DB6
(14) DB5
(13) DB4
(12) DB3
(11) DB2
(10) DB1
(9) DB0
(8) AB5
(7) AB4
(6) AB3
(5) AB2
(4) PPI2
(3) PPI1

LS02 LS74 LS00 LS367 LS138 LS139 LS393 LS163 LS107 LS368 LS86 LS04 LS08 LS20 LS283 LS86 LS273 LS157 LS175 LS377 LS126 LS161 LS532

HBLANK VAEN VBLANK VWEN TH RESET TNT CONT 1K 220 1A 280

WRB RDB AB15 AB14 AB13 AB12 AB11 AB10 AB9 AB8 AB7 AB6 AB5 AB4 AB3 AB2 AB1 AB0 DB7 DB6 DB5 DB4 DB3 DB2 DB1 DB0

AFR VRAMRD WREN OBJWR VRAMWR OBJEN WAEN

CS0 CS1 CS2 CS3 CS4 CS5 CS6 CS7

2732 2C 2732 2E 2732 2F 2732 2H 2732 2J 2732 2L NO USE 2M NO USE 2P

2114-3 1K I/O 2114-3 1G I/O 2114-3 1J I/O 2114-3 1H I/O GND

VCMA 128V 64V 32V 16V 8V 4V 2V 1V HCMPI* 128H 64H 32H 16H 8H

HPLA7 HPLA6 HPLA5 HPLA4 HPLA3 HPLA2 HPLA1 HPLA0 VBLANK CBLANK* 256H HCMA OBJD7 OBJD6 OBJDATAL

VRAMCS VRAMWR VRAMRD DB7 DB6 DB5 DB4 DB3 DB2 DB1 DB0 8216x2 DIEN R/W

2716 5H 2716 5F D7 D6 D5 D4 D3 D2 D1 D0

LDOUT HCMP2 6MHZ COLL VBL OBJDATAL MSLD SLD VBLANK CNTRLD CNTRCLR

OBJEN COMP SYNC SYNC BLUE RED GREEN 470Ω

10D1 2SA697 2SC2320 1S1588 10K 10uF 16V RESET

VCMA CBLANK* HCMP2* HCMP1* 256H* CD2 CD1 CD0 CBOUT VIDOUT

6331-1 82F 6MHZ LS273 COL2 COL1 COL0 VID1 VID0 CBLANK GETBLK

CAT D7 D6 D5 D4 D3 D2 D1 D0 220 470 BLUE GREEN RED VIDOUT CBOUT

OBJRAMWR HPLA7 HPLA6 HPLA5 HPLA4 HPLA3 HPLA2 HPLA1 HPLA0

TA7 TA6 TA5 TA4 TA3 TA2 TA1 TA0 10K BCR BCG BCB

HCMA OBJD6 128H' HCMP2* HCMP1* CBLANK* 256H* 6MHZ

CLK GRO GRI GCO GCI GC2 GC1 GC2

VIDO VID1 COLO COL1 COL2

10C 10B 10F 10E 10D 74S201N

TA7 TA6 TA5 TA1 TA4

CNTRLD CNTRCLR

SLD GETBLK

HPLA7 HPLA6 HPLA5 HPLA4 HPLA3 HPLA2 HPLA1 HPLA0

330 100PF x'tal 18.432MHZ

CLK 6MHZ LS107

256H HCMA VSYNC HCMPI* COMP SYNC SYNCV

INTST INT

128V 64V 32V 16V

HBLANK 2H 4H 6MHZ 8H 16H 32H 64H 256H

LDOUT HCMP2 HCMP1 CBLANK* 256H* CD2 CD1 CD0

OBJD7 OBJD6 OBJDATAL

HPLA7 HPLA6 HPLA5 HPLA4 HPLA3 HPLA2 HPLA1 HPLA0

D7 D6 D5 D4 D3 D2 D1 D0

TA7 TA6 TA5 TA1 TA4

CNTRLD CNTRCLR

GRO GRI GCO GCI GC2 GC1 GC2

VIDO VID1 COLO COL1 COL2

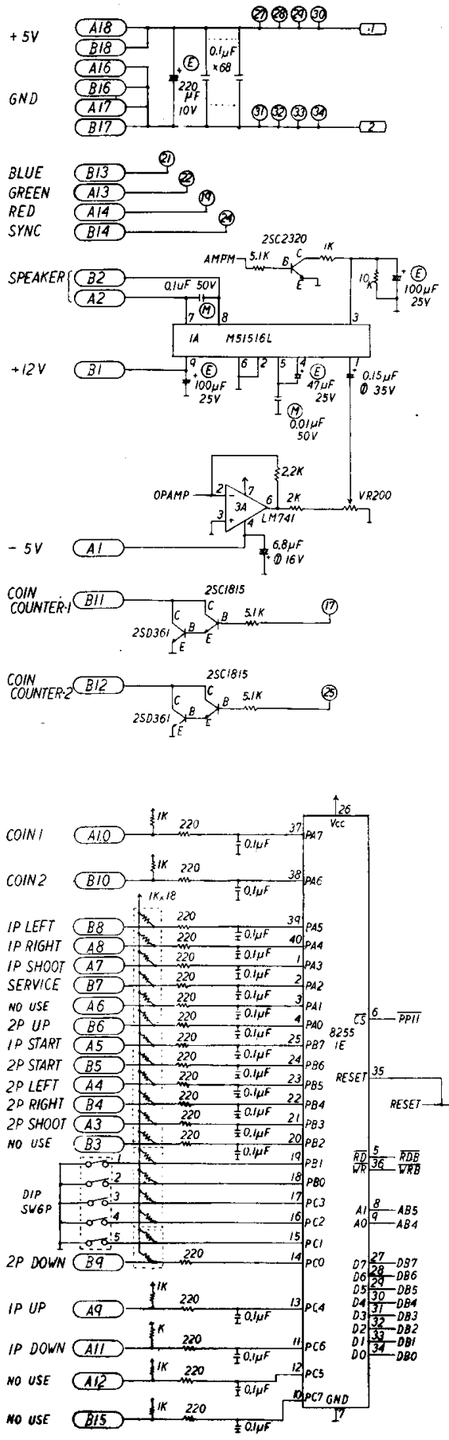
CST

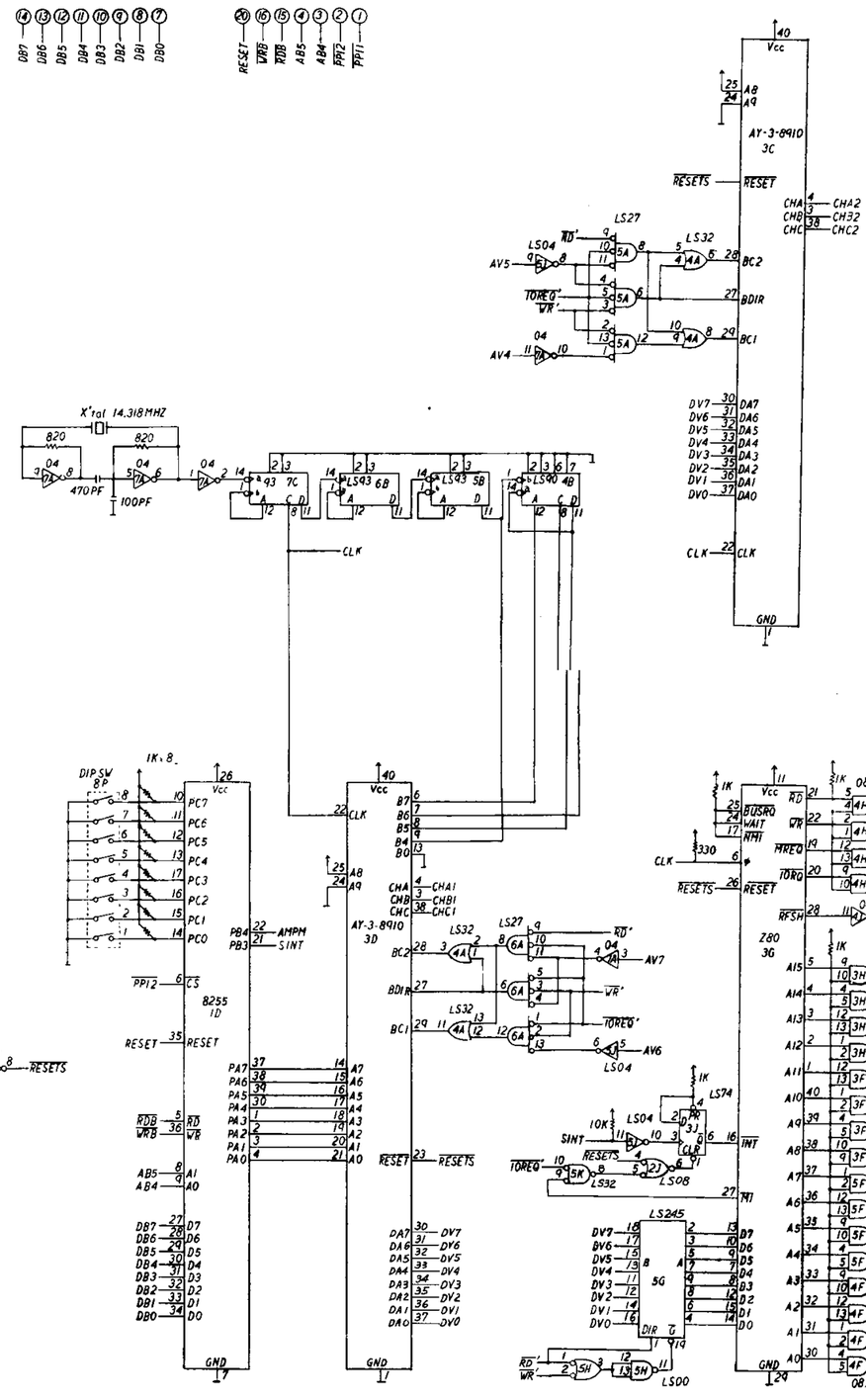
-NOTES-
↑ ;Vcc +5V
⊥ ;GND 0V

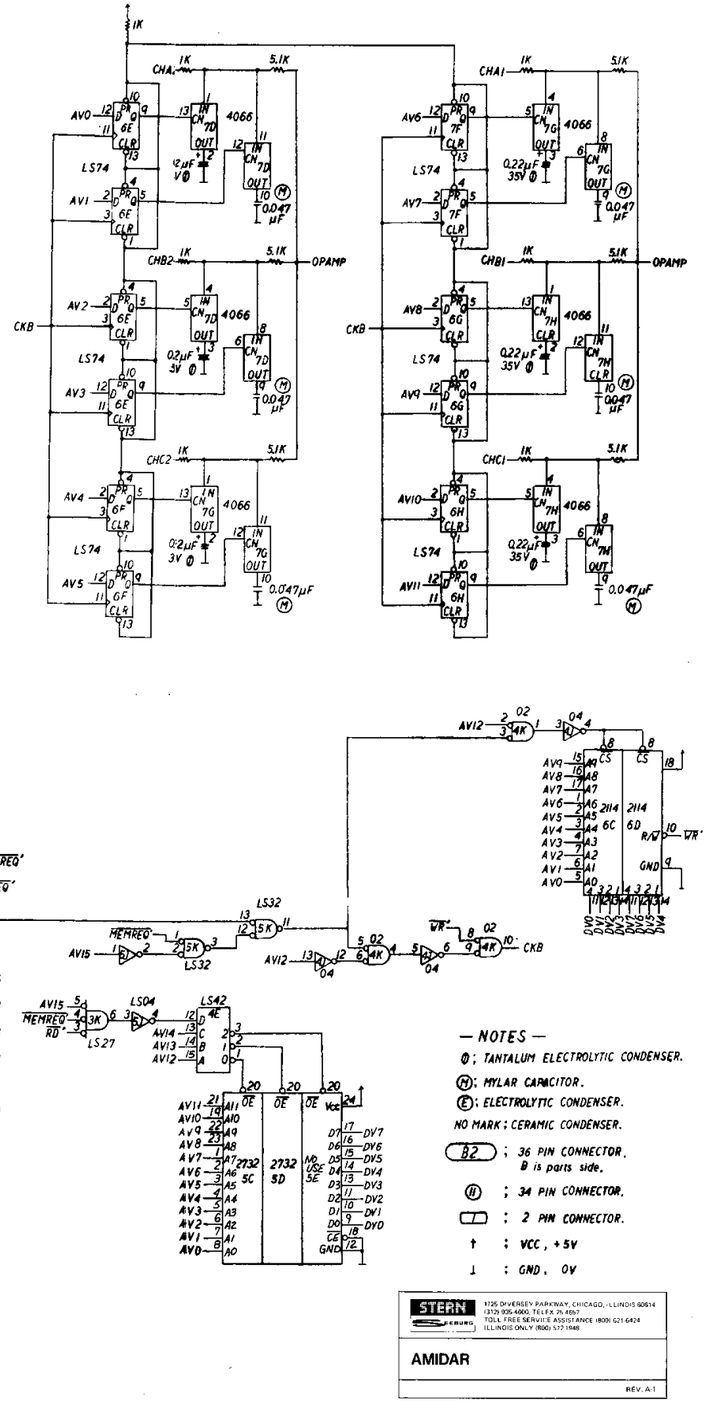
STERN
1725 DIVERSEY PARKWAY, CHICAGO, ILLINOIS 60614
(312) 935-4600, TELEX 25-4057
TOLL FREE SERVICE ASSISTANCE (800) 621-6424
ILLINOIS ONLY (800) 572-1945

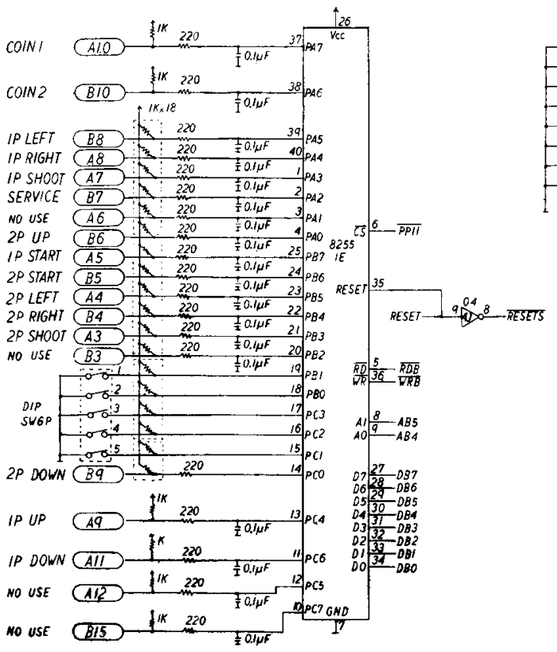
AMIDAR

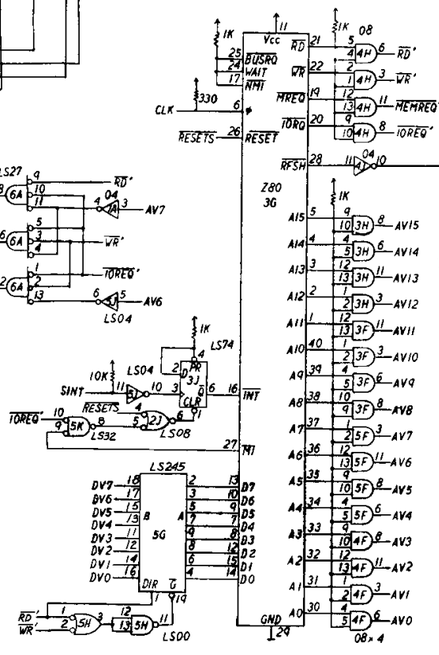
REV. A-1











— NOTES —

Ø; TANTALUM ELECTROLYTIC CONDENSER.

(M); MYLAR CAPACITOR.

(E); ELECTROLYTIC CONDENSER.

NO MARK; CERAMIC CONDENSER.

B2 ; 36 PIN CONNECTOR. B is parts side.

(H) ; 34 PIN CONNECTOR.

; 2 PIN CONNECTOR.

↑ ; VCC, +5V

⊥ ; GND, 0V

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